

HANWHA CTBA-8740BK

Polyolefin
Hanwha Chemical

Message:

Hanwha Wire and Cable Compound CTBA-8740BK is a semiconductive compound for conductor and bonded insulation shielding of high voltage(154kV) power cables. CTBA-8740BK has an excellent electrical conductivity, scorch stability and surface smoothness.

General Information			
Features	Semi-conductive		
	Crosslinkable		
	Good electrical performance		
	Heat resistance, high		
	Excellent appearance		
Uses	Cable guard		
	Wire and cable applications		
	High voltage insulation		
Agency Ratings	AEIC CS5		
	AEIC CS7		
	BS 6622		
	ICEA S-66-524 NEMA WC 7		
	IEC 60502		
	IEC 60840		
	VDE 0263		
Forms	Particle		
	Extrusion		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ASTM D1505
Moisture Content		ppm	Karl Fisher
Oven Aging (136°C)	7.0	day	
Tensile strength retention-7 days (136°C)	> 90	%	ASTM D638
Elongation retention rate-7 days (136°C)	> 85	%	ASTM D638
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	14.7	MPa	ASTM D638
Tensile Elongation (Break)	190	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -40.0	°C	ASTM D746

Electrical	Nominal Value	Unit	Test Method
Volume Resistivity			ASTM D257
23°C	< 1.0E+2	ohms·cm	ASTM D257
90°C	< 5.0E+2	ohms·cm	ASTM D257
Extrusion	Nominal Value	Unit	
Melt Temperature	100 - 120	°C	
Extrusion instructions			

Cure Temperature : 320~390°C

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